

REMARKS

Claims 1-3, 5, 7-26 are currently pending in the application, of which claims 1, 5, 15, and 25 are independent claims.

Entry of the Remarks is respectfully requested because entry places the present application in condition for allowance, or in the alternative, better form for appeal. In view of the following Remarks, Applicant respectfully requests reconsideration and timely withdrawal of the pending objections and rejections for the reasons discussed below.

Drawing Objection

In the Office Action, the drawings were objected to as not showing every feature of the invention specified in the claims. Applicant respectfully traverses this objection.

First, Applicant notes that although 37 CFR 1.83(a) does state that “[t]he drawing[s] in a nonprovisional application must show every feature of the invention specified in the claims,” this section is inapplicable in the present application because drawings are only required when “necessary for the subject matter sought to be patented.” 37 CFR 1.81(a). In the present application, the verbal description of the invention is sufficient to adequately describe what is claimed. Consequently, the objection to the drawings is inappropriate, as drawings are not required at all in this application. Nevertheless, Applicant has provided some illustrations to aid to the reader, and has provided them out of an abundance of caution lest the reader find the verbal description lacking in some respect. Thus, these gratuitous illustrations should not be the source of objection.

Second, Applicant notes that the language to which the Examiner makes references is not precisely the claim language. The claim language has previously been presented and is of

record. The language that appears to be the cause for concern is “a second interval for forming a path through which a data voltage of a second grayscale level is transmitted to a second liquid crystal capacitor connected to a present gate line through a second thin film transistor.” Claim 1, ll. 13-16 (as presented in the January 26, 2004, Amendment). Applicant respectfully suggests that the features described in this language are illustrated in the form of an exemplary embodiment in the figures. See, for example, Figures 7A, 7B, and 5. Thus this claimed feature is already illustrated both verbally, and by means of drawings.

Applicant also notes that the Examiner appears to be concerned by the language “a data line transmitting a first data voltage and a second data voltage.” Claim 25, l. 3. Applicant respectfully suggests that the features described in this language are illustrated in the form of an exemplary embodiment in the figures. See, for example, Figures 2, 7A, 7B, and 5.

Accordingly, Applicant respectfully requests withdrawal of the drawing objection.

Rejections Under 35 U.S.C. §112, second paragraph

Claims 1-3, 5, and 7-26 stand rejected under 35 U.S.C. §112, second paragraph as being indefinite. Applicant respectfully traverses this rejection for at least the following reasons.

The Examiner compared each of claims 1, 5, 15, and 25 with a portion of the specification. Applicant notes that, at a minimum, the claims should be viewed in light of the whole specification. Applicant also requires further explanation from the Examiner as to what is unclear. Applicant further notes that the language used by the Examiner is not a quotation from the claims.

With regard to claims 1 and 5, the Examiner appears concerned about the first interval, the second interval, and the third interval. The first interval is a period of time “for converting a grayscale level of a first liquid crystal capacitor.” Claim 1, ll. 11-12. This function occurs by means of a first thin film transistor. The second interval is a period of time “for forming a path through which a data voltage of a second grayscale level is transmitted to a second liquid crystal capacitor.” Claim 1, ll. 13-15. This function occurs by means of a second thin film transistor. The third interval is a period of time “following the second interval” in which the gate voltage has “the same polarity as a polarity of the data voltage.” Claim 1, ll. 16-18. Applicant respectfully submits that this claim language is clear on its face, and does not require any amendment or argument to clarify. Applicant additionally notes that claim 5 contains somewhat similar language, and is similarly clear.

With regard to claim 15, the Examiner seems concerned about the data line and the second switching element. The data line is a line that performs the function of “transmitting a first data voltage and a second data voltage.” Claim 15, l. 3. The second switching element “connect[s] the second gate line and the data line and selectively transmit[s] the second data voltage.” Claim 15, ll. 6-7. Applicant respectfully submits that this claim language is clear on its face, and does not require any amendment or argument to clarify.

With regard to claim 25, the Examiner seems concerned about the first and the second switching element. The first and the second switching elements perform the function of “turn[ing] on by the first voltage and turn[ing] off by the second voltage.” Claim 25, ll. 17-18. Applicant respectfully submits that this claim language is clear on its face, and does not require any amendment or argument to clarify.

Applicant respectfully submits that independent claims 1, 5, 15, and 25 as well as the claims which depend from them, fully comply with the requirements of 35 U.S.C. §112, second paragraph.

Accordingly, Applicant respectfully requests withdrawal of the 35 U.S.C. §112, second paragraph rejection of claims 1-3, 5, and 7-26 and to pass all the pending claims to issuance.

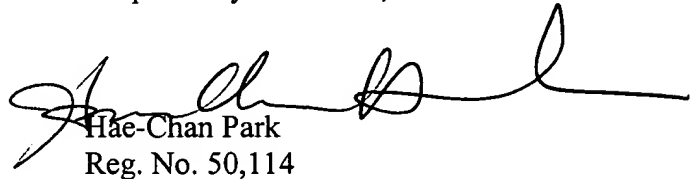
CONCLUSION

Applicant believes that a full and complete response has been made to the pending Office Action and respectfully submits that all of the stated objections and grounds for rejection have been overcome or rendered moot. Accordingly, Applicant respectfully submits that all pending claims are allowable and that the application is in condition for allowance.

Should the Examiner feel that there are any issues outstanding after consideration of this response, the Examiner is invited to contact the Applicant's undersigned representative at the number below to expedite prosecution.

Prompt and favorable consideration of this Reply is respectfully requested.

Respectfully submitted,


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